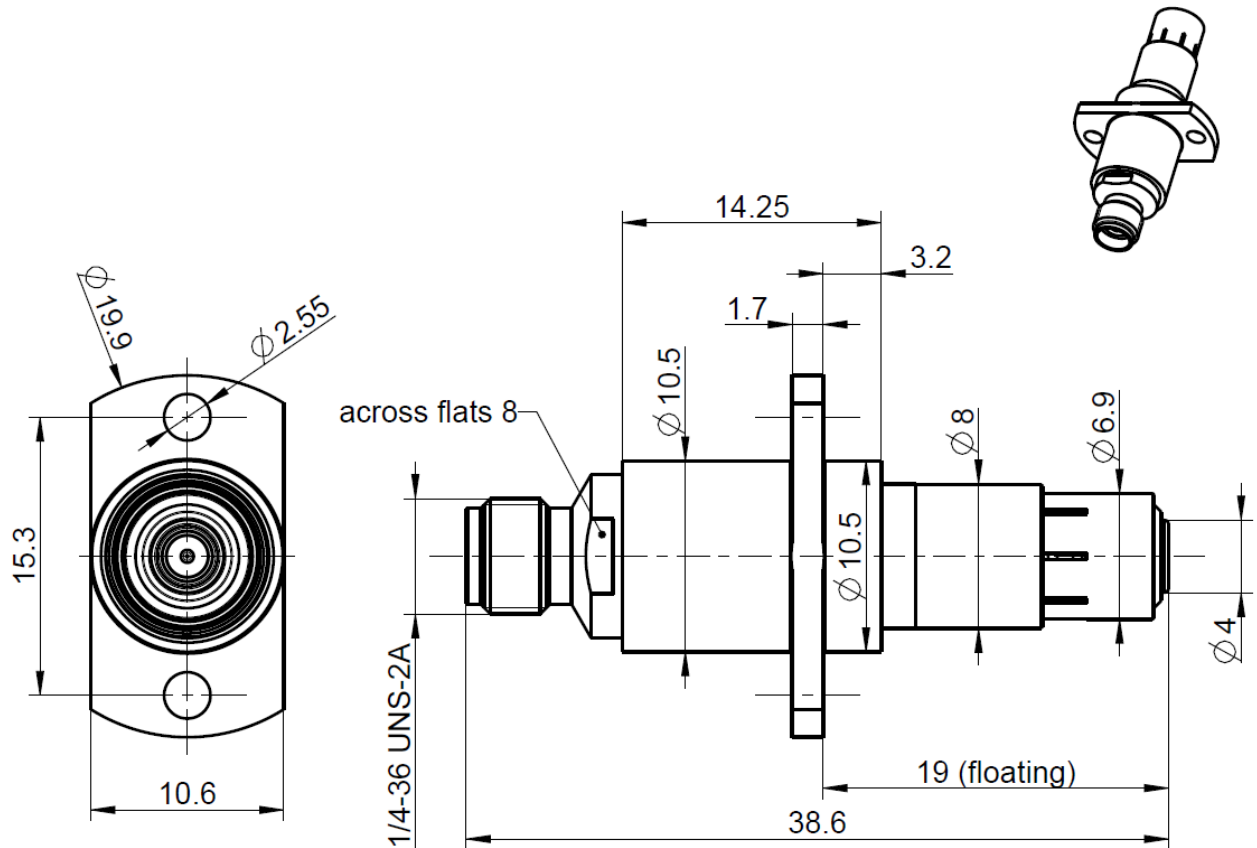


FLOATING ADAPTOR RPC-3.50 jack – EBC ® plug smooth bore

03K7EBC-S22S3



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

RPC-3.50 according to
RPC-3.50 mechanically compatible with
EBC ® according to

IEC 60169-23
RPC-2.92 and SMA
Rosenberger EBC ®

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Flange
Dielectric RPC-3.50 side
Dielectric EBC ® side

Material

CuBe or equiv.
Stainless steel
Brass
PS
PTFE

Plating

Gold, min. 1.27 µm, over chemical nickel
Passivated
Flash white bronze over silver(e.g. Optargen®)

Technical Data Sheet				Rosenberger			
FLOATING ADAPTOR RPC-3.50 jack – EBC ® plug smooth bore				03K7EBC-S22S3			
Electrical data Impedance50 Ω FrequencyDC to 6 GHz Return loss≥ 30 dB, DC to 2.5 GHz ≥ 25 dB, 2.5 GHz to 6 GHz Insertion loss≤ 0.04 x √f(GHz) dB Insulation resistance≥ 5 GΩ Test voltage500 V rms Working voltage335 V rms							
Mechanical data Mating cycles RPC-3.50≥ 500 Mating cycles EBC ® smooth bore≥ 5.000 Center contact captivation≥ 27 N Coupling test torque RPC-3.501.70 Nm Recommended torque RPC-3.500.80 Nm to 1.10 Nm Engagement force EBC ®≤ 15 N Disengagement force EBC ®≥ 12 N Misalignment radial0.7 mm min. Spring forcemin. 2.4 N at rest max. 36 N at max. spring travel Spring travel9 mm max.							
Environmental data Temperature range-40°C to +85°C Thermal shockMIL-STD-202, Method 107, Condition B CorrosionMIL-STD-202, Method 101, Condition B VibrationMIL-STD-202, Method 204, Condition D ShockMIL-STD-202, Method 213, Condition I Moisture resistanceMIL-STD-202, Method 106 RoHScompliant							
Tooling N/A							
Suitable cables N/A							
Weight 11.5 g/pce							
While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.							
Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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